

<u>Set Name</u>	<u>Query</u>	<u>Hit Count</u>	<u>Set Name</u>
side by side			result set
<i>DB=USPT; PLUR=YES; OP=ADJ</i>			
<u>L3</u>	('MAGE 1') same (nucleic or nucleotide\$)	56	<u>L3</u>
<u>L2</u>	(MAGE) same (nucleic or nucleotide\$).clm.	31	<u>L2</u>
<u>L1</u>	boon-thierry\$	6	<u>L1</u>

END OF SEARCH HISTORY

WEST[Help](#)[Logout](#)[Interrupt](#)[Main Menu](#)[Search Form](#)[Posting Counts](#)[Show S Numbers](#)[Edit S Numbers](#)[Preferences](#)[Cases](#)**Search Results -**

Term	Documents
"MAGE 1".USPT,PGPB.	0
NUCLEIC.USPT,PGPB.	58829
NUCLEICS.USPT,PGPB.	11
NUCLEOTIDES\$	0
NUCLEOTIDE.USPT,PGPB.	47913
NUCLEOTIDEA.USPT,PGPB.	1
NUCLEOTIDEACTIVATOR:.USPT,PGPB.	1
NUCLEOTIDEAND.USPT,PGPB.	1
NUCLEOTIDEASE.USPT,PGPB.	13
NUCLEOTIDEATION:.USPT,PGPB.	2
NUCLEOTIDEBASED.USPT,PGPB.	1
((('MAGE 1') SAME (NUCLEIC OR NUCLEOTIDES\$)).USPT,PGPB.	68

There are more results than shown above. [Click here to view the entire set.](#)

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Search:

L4

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DATE: Monday, March 24, 2003 [Printable Copy](#) [Create Case](#)

<u>Set Name</u>	<u>Query</u>	<u>Hit Count</u>	<u>Set Name</u>
side by side			result set
	<i>DB=USPT,PGPB; PLUR=YES; OP=ADJ</i>		
<u>L4</u>	('MAGE 1') same (nucleic or nucleotide\$)	68	<u>L4</u>
	<i>DB=USPT; PLUR=YES; OP=ADJ</i>		
<u>L3</u>	('MAGE 1') same (nucleic or nucleotide\$)	56	<u>L3</u>
<u>L2</u>	(MAGE) same (nucleic or nucleotide\$).clm.	31	<u>L2</u>
<u>L1</u>	boon-thierry\$	6	<u>L1</u>

END OF SEARCH HISTORY

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L3: Entry 25 of 56

File: USPT

May 22, 2001

US-PAT-NO: 6235525

DOCUMENT-IDENTIFIER: US 6235525 B1

TITLE: Isolated nucleic acid molecules coding for tumor rejection antigen precursor
MAGE-3 and uses thereof

DATE-ISSUED: May 22, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
van den Eynde; Benoit	Brussels			BE
van der Bruggen; Pierre	Brussels			BE
Boon-Falleur; Thierry	Brussels			BE

US-CL-CURRENT: 435/325; 435/252.3, 435/320.1, 435/334, 435/343.1, 435/343.2,
536/23.5

CLAIMS:

We claim:

1. An isolated cDNA molecule consisting of a nucleotide sequence, which codes for tumor rejection antigen precursor MAGE-3, the complementary, sequence of which hybridizes, under stringent conditions to SEQ ID NO: 11 or SEQ ID NO: 12.
2. Isolated cDNA molecule wherein said molecule codes for tumor rejection antigen precursor MAGE-3 and consists of the nucleotide sequence set forth in SEQ ID NO: 11 or SEQ ID NO: 12.
3. Expression vector comprising the cDNA molecule of claim 1 operably linked to a promoter.
4. The expression vector of claim 3, further comprising a nucleic acid molecule which codes for HLA-A1.
5. Cell line transfected with the expression vector of claim 3.
6. The cell line of claim 5, wherein said cell line expresses HLA-A1.
7. The cell line of claim 5, wherein said cell line is further transfected with a nucleic acid molecule which codes for HLA-A1.
8. Isolated mRNA molecule complementary to the isolated cDNA molecule of claim 1.
9. Isolated mRNA molecule complementary to the isolated cDNA molecule of claim 2.
10. Isolated cDNA molecule which encodes tumor rejection antigen precursor protein MAGE-3, said protein having the amino acid sequence of the protein encoded by SEQ ID NO: 11 or SEQ ID NO: 12.

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L3: Entry 50 of 56

File: USPT

Mar 18, 1997

US-PAT-NO: 5612201

DOCUMENT-IDENTIFIER: US 5612201 A

TITLE: Isolated nucleic acid molecules useful in determining expression of a tumor rejection antigen precursor

DATE-ISSUED: March 18, 1997

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
De Plaen; Etienne	Brussels			BE
Boon-Falleur; Thierry	Brussels			BE
Lethe ; Bernard	Brussels			BE
Szikora; Jean-Pierre	Brussels			BE
De Smet; Charles	Brussels			BE
Chomez; Patrick	Brussels			BE

US-CL-CURRENT: 435/91.2; 435/6, 536/23.1, 536/24.33

CLAIMS:

We claim:

1. Isolated nucleic acid molecule selected from the group consisting of: SEQ ID NO: 29, SEQ ID NO: 30, SEQ ID NO: 31, SEQ ID NO: 32, SEQ ID NO: 33, SEQ ID NO: 34, SEQ ID NO: 35, SEQ ID NO: 36, SEQ ID NO: 37, SEQ ID NO: 38, SEQ ID NO: 39, SEQ ID NO: 40, SEQ ID NO: 41, SEQ ID NO: 42, SEQ ID NO: 43, SEQ ID NO: 44, SEQ ID NO: 45, and SEQ ID NO: 46.

2. Kit useful in determining expression of a MAGE gene, said kit comprising at least one pair of primers selected from the group consisting:

- (b) SEQ ID NO: 29 and SEQ ID NO: 30
- (c) SEQ ID NO: 31 and SEQ ID NO: 32
- (d) SEQ ID NO: 33 and SEQ ID NO: 34
- (e) SEQ ID NO: 35 and SEQ ID NO: 36
- (f) SEQ ID NO: 37 and SEQ ID NO: 38
- (g) SEQ ID NO: 39 and SEQ ID NO: 40
- (h) SEQ ID NO: 41 and SEQ ID NO: 42
- (i) SEQ ID NO: 43 and SEQ ID NO: 44 and
- (j) SEQ ID NO: 45 and SEQ ID NO: 46.

3. Method for determining expression of a MAGE gene of interest, comprising contacting a nucleic acid containing sample with at least one pair of primers selected from the group consisting:

(b) SEQ ID NO: 29 and SEQ ID NO: 30

(c) SEQ ID NO: 31 and SEQ ID NO: 32

(d) SEQ ID NO: 33 and SEQ ID NO: 34

(e) SEQ ID NO: 35 and SEQ ID NO: 36

(f) SEQ ID NO: 37 and SEQ ID NO: 38

(g) SEQ ID NO: 39 and SEQ ID NO: 40

(h) SEQ ID NO: 41 and SEQ ID NO: 42

(i) SEQ ID NO: 43 and SEQ ID NO: 44 and

(j) SEQ ID NO: 45 and SEQ ID NO: 46, subjecting said nucleic acid containing sample and pair of primers to a reverse transcriptase-polymerase chain reaction, and determining any amplification product as a determination of expression of said MAGE gene.

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L3: Entry 54 of 56

File: USPT

Oct 31, 1995

US-PAT-NO: 5462871

DOCUMENT-IDENTIFIER: US 5462871 A

TITLE: Isolated nucleic acid molecules which encode MAGE derived nonapeptides

DATE-ISSUED: October 31, 1995

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Boon-Falleur; Thierry	Brussels			BE
van der Bruggen; Pierre	Brussels			BE
De Plaen; Etienne	Brussels			BE
Lurquin; Christophe	Brussels			BE
Traversari; Catia	Milan			IT
Gaugler; Beatrice	Brussels			BE
Van den Eynde; Benoit	Brussels			BE

US-CL-CURRENT: 435/354; 435/252.3, 435/365, 536/23.1, 536/23.5

CLAIMS:

We claim:

1. Isolated nucleic acid molecule consisting of a nucleotide sequence which codes for a nonapeptide selected from the group consisting of SEQ ID NO: 17, SEQ ID NO: 18, SEQ ID NO: 19, SEQ ID NO: 20, SEQ ID NO: 21, and SEQ ID NO: 22, wherein said nonapeptide binds to a human leukocyte antigen molecule on a cell surface and provokes lysis of said cell by a cytolytic T lymphocyte specific for a complex of said nonapeptide and said human leukocyte antigen.
2. The isolated nucleic acid molecule of claim 1, selected from the group consisting of SEQ ID NO: 4, SEQ ID NO: 5, SEQ ID NO: 6, SEQ ID NO: 7, SEQ ID NO: 8, and SEQ ID NO: 9.
3. The isolated nucleic acid molecule of claim 1, wherein said molecule consists of a nucleotide sequence which encodes the nonapeptide of SEQ ID NO: 17.
4. The isolated nucleic acid molecule of claim 3, consisting of the nucleotide sequence of SEQ ID NO: 4.
5. Isolated, non-human cell line with the isolated nucleic acid molecule of claim 1.
6. Isolated, non-human cell line with the isolated nucleic acid molecule of claim 2.
7. Isolated, non-human cell line with the isolated nucleic acid molecule of claim 3.
8. Isolated, non-human cell line with the isolated nucleic acid molecule of claim 4.

9. The isolated non-human cell line of claim 5, wherein said non-human cell line is a mouse cell line.
10. The isolated non-human cell line of claim 6, wherein said non-human cell line is a mouse cell line.
11. The isolated non-human cell line of claim 7, wherein said non-human cell line is a mouse cell line.
12. The isolated non-human cell line of claim 8, wherein said non-human cell line is a mouse cell line.
13. The isolated non-human cell line of claim 5, wherein said cell line is a COS cell line.
14. The isolated non-human cell line of claim 6, wherein said cell line is a COS cell line.
15. The isolated non-human cell line of claim 7, wherein said cell line is a COS cell line.
16. The isolated non-human cell line of claim 8, wherein said cell line is a COS cell line.

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L3: Entry 55 of 56

File: USPT

Apr 11, 1995

US-PAT-NO: 5405940

DOCUMENT-IDENTIFIER: US 5405940 A

TITLE: Isolated nonapeptides derived from MAGE genes and uses thereof

DATE-ISSUED: April 11, 1995

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Boon; Thierry	Brussels			BE
van der Bruggen; Pierre	Brussels			BE
De Plaen; Etienne	Brussels			BE
Lurquin; Christophe	Brussels			BE
Traversari; Catia	Milan			IT

US-CL-CURRENT: 530/328; 424/185.1, 530/300

CLAIMS:

We claim:

1. Isolated nonapeptide having Glu at its N terminal, Tyr at its C-terminal, and Asp at the third residue from its N terminal, with the proviso that said isolated nonapeptide is not Glu Ala Asp Pro Thr Gly His Ser Tyr (SEQ ID NO: 1), and wherein said isolated nonapeptide binds to a human leukocyte antigen molecule on a cell to form a complex, said complex provoking lysis of said cell by a cytolytic T cell specific to said complex.
2. The isolated nonapeptide of claim 1, wherein the second residue from its N terminal is Ala or Val.
3. The isolated nonapeptide of claim 2, wherein the fourth residue from its N terminal is Pro.
4. The isolated nonapeptide of claim 3, wherein the fifth residue from its N terminal is Ile, Ala, or Thr.
5. The isolated nonapeptide of claim 4, wherein the sixth residue from its N terminal is Gly or Ser.
6. The isolated nonapeptide of claim 5, wherein the seventh residue from its N terminal is His or Asn.
7. The isolated nonapeptide of claim 6, wherein the eighth residue from its N terminal is Leu, Thr, or Val.
8. Isolated nonapeptide selected from the group consisting of SEQ ID NO: 4, SEQ ID NO: 5, SEQ ID NO: 6, SEQ ID NO: 7, SEQ ID NO: 8 and SEQ ID NO: 9.
9. Isolated nonapeptide SEQ ID NO: 4.

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Term	Documents
MAGE.USPT,PGPB.	1326
MAGES.USPT,PGPB.	293
PRECURSOR.USPT,PGPB.	93982
PRECURSORS.USPT,PGPB.	64255
(MAGE SAME (PRECURSOR.CLM.)).USPT,PGPB.	29
((MAGE)SAME (PRECURSOR).CLM.).USPT,PGPB.	29

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result set

DB=USPT,PGPB; PLUR=YES; OP=ADJ

L2 (mage)same (precursor).clm.

29 L2

DB=PGPB; PLUR=YES; OP=ADJ

L1 (mage).clm.

67 L1

END OF SEARCH HISTORY

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Term	Documents
MAGE.USPT,PGPB.	1326
MAGES.USPT,PGPB.	293
PRECURSOR.USPT,PGPB.	93982
PRECURSORS.USPT,PGPB.	64255
(MAGE SAME (PRECURSOR.CLM.)).USPT,PGPB.	29
((MAGE)SAME (PRECURSOR).CLM.).USPT,PGPB.	29

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DB=USPT,PGPB; PLUR=YES; OP=ADJ

L2 (mage)same (precursor).clm.

29 L2

DB=PGPB; PLUR=YES; OP=ADJ

L1 (mage).clm.

67 L1

END OF SEARCH HISTORY

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Term	Documents
BOON-THIERRY\$	0
BOON-THIERRY.USPT,PGPB.	7
BOON-THIERRY\$.USPT,PGPB.	7
(BOON-THIERRY\$).USPT,PGPB.	7

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result set

*DB=USPT,PGPB; PLUR=YES; OP=ADJ*L4 boon-thierry\$ 7 L4L3 boon-theirry\$ 0 L3L2 (mage)same (precursor).clm. 29 L2*DB=PGPB; PLUR=YES; OP=ADJ*L1 (mage).clm. 67 L1**END OF SEARCH HISTORY**

WEST[Generate Collection](#)[Print](#)**Search Results - Record(s) 1 through 7 of 7 returned.**☐ 1. Document ID: US 20020160011 A1

L4: Entry 1 of 7

File: PGPB

Oct 31, 2002

PGPUB-DOCUMENT-NUMBER: 20020160011

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020160011 A1

TITLE: ADJUVANT COMPOSITIONS FOR VACCINES

PUBLICATION-DATE: October 31, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
<u>BOON, THIERRY</u>	BRUSSELS		BE	
SILLA, SILVIA	BRUSSELS		BE	
UYTTENHOVE, CATHERINE	CHAUMONT GISTOUX		BE	

US-CL-CURRENT: 424/184.1; 424/198.1

Full	Title	Citation	Front	Review	Classification	Data	Reference	Sequences	Attachments	Claims	RWC	Draw Desc	Image
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☐ 2. Document ID: US 6488932 B1

L4: Entry 2 of 7

File: USPT

Dec 3, 2002

US-PAT-NO: 6488932

DOCUMENT-IDENTIFIER: US 6488932 B1

TITLE: Method for treating cancer by administering MAGE-derived peptides

DATE-ISSUED: December 3, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
<u>Boon; Thierry</u>	Brussels			BE
van der Bruggen; Pierre	Brussels			BE
De Plaen; Etienne	Brussels			BE
Lurquin; Christophe	Brussels			BE
Traversari; Catia	Milan			IT

US-CL-CURRENT: 424/185.1; 424/193.1, 424/277.1, 530/320, 530/328, 530/335, 530/402

Full	Title	Citation	Front	Review	Classification	Data	Reference	Sequences	Attachments	Claims	RWC	Draw Desc	Image
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☐ 3. Document ID: US 6375945 B1

L4: Entry 3 of 7

File: USPT

Apr 23, 2002

US-PAT-NO: 6375945

DOCUMENT-IDENTIFIER: US 6375945 B1

TITLE: Adjuvant compositions for vaccines

DATE-ISSUED: April 23, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
<u>Boon; Thierry</u>	Brussels			BE
Silla; Silvia	Brussels			BE
Uyttenhove; Catherine	Chaumont Gistoux			BE

US-CL-CURRENT: 424/85.2; 424/184.1, 424/185.1, 424/450, 530/351

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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RMIC	Draw Desc	Image
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☐ 4. Document ID: US 6034214 A

L4: Entry 4 of 7

File: USPT

Mar 7, 2000

US-PAT-NO: 6034214

DOCUMENT-IDENTIFIER: US 6034214 A

TITLE: Isolated nonapeptides which bind to HLA molecules and provoke lysis by cytolytic T cells

DATE-ISSUED: March 7, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
<u>Boon; Thierry</u>	Brussels			BE
van der Bruggen; Pierre	Brussels			BE
De Plaen; Etienne	Brussels			BE
Lurquin; Christophe	Brussels			BE
Traversari; Catia	Milan			IT

US-CL-CURRENT: 530/328; 424/185.1, 530/300, 530/385

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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RMIC	Draw Desc	Image
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☐ 5. Document ID: US 5925729 A

L4: Entry 5 of 7

File: USPT

Jul 20, 1999

US-PAT-NO: 5925729

DOCUMENT-IDENTIFIER: US 5925729 A

TITLE: Tumor rejection antigen precursors, tumor rejection antigens and uses thereof

DATE-ISSUED: July 20, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Boon; Thierry	Brussels			BE
Van Der Bruggen; Pierre	Brussels			BE
Van Den Eynde; Benoit	Brussels			BE
Van Pel; Aline	Brussels			BE
De Plaen; Etienne	Brussels			BE
Lurquin; Christophe	Brussels			BE
Chomez; Patrick	Brussels			BE
Traversari; Catia	Milan			IT

US-CL-CURRENT: 530/328; 424/185.1, 530/395, 530/806, 530/828

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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RMIC	Draw Desc	Image
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☐ 6. Document ID: US 5405940 A

L4: Entry 6 of 7

File: USPT

Apr 11, 1995

US-PAT-NO: 5405940

DOCUMENT-IDENTIFIER: US 5405940 A

TITLE: Isolated nonapeptides derived from MAGE genes and uses thereof

DATE-ISSUED: April 11, 1995

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Boon; Thierry	Brussels			BE
van der Bruggen; Pierre	Brussels			BE
De Plaen; Etienne	Brussels			BE
Lurquin; Christophe	Brussels			BE
Traversari; Catia	Milan			IT

US-CL-CURRENT: 530/328; 424/185.1, 530/300

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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RMIC	Draw Desc	Image
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☐ 7. Document ID: US 5342774 A

L4: Entry 7 of 7

File: USPT

Aug 30, 1994

US-PAT-NO: 5342774

DOCUMENT-IDENTIFIER: US 5342774 A

TITLE: Nucleotide sequence encoding the tumor rejection antigen precursor, MAGE-1

DATE-ISSUED: August 30, 1994

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Boon; Thierry	Brussels			BE
van der Bruggen; Pierre	Brussels			BE
Van den Eynde; Benoit	Brussels			BE
Van Pel; Aline	Brussels			BE
De Plaen; Etienne	Brussels			BE
Lurquin; Christophe	Brussels			BE
Chomez; Patrick	Brussels			BE
Traversari; Catia	Milan			IT

US-CL-CURRENT: 435/371; 435/235.1, 435/252.3, 435/320.1, 435/69.1, 435/69.3,
530/350, 536/23.5

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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Term	Documents
BOON-THIERRY\$	0
BOON-THIERRY.USPT,PGPB.	7
BOON-THIERRY\$.USPT,PGPB.	7
(BOON-THIERRY\$).USPT,PGPB.	7

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